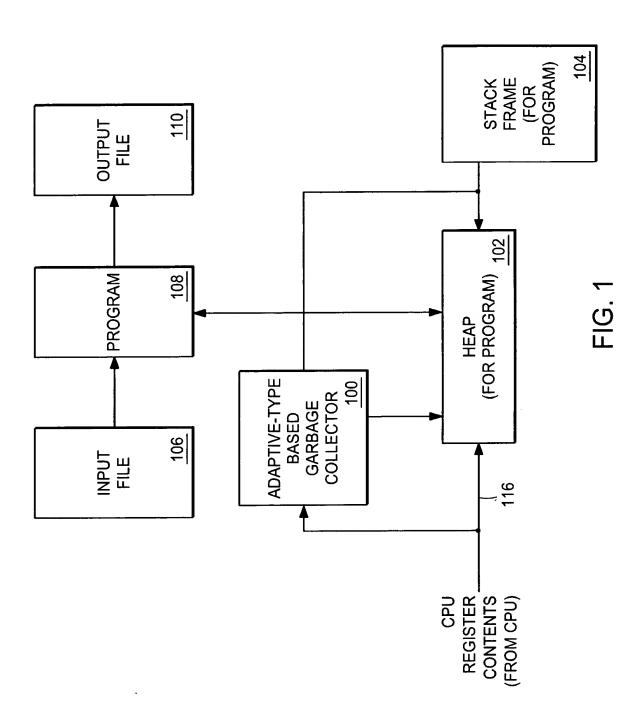


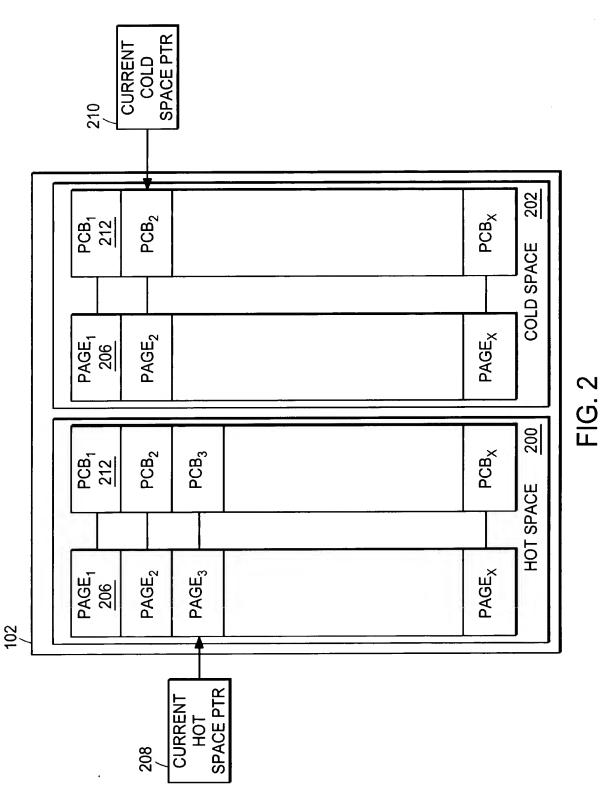
o.: 09/605,271 Adaptive Type-Partitioned Garbage ors: Christopher Henry Rohrs

Inventors:





App No.: 09/605,2/1
tle: Adaptive Type-Partitioned Garb
inventors: Christopher Henry Rohrs





No.: 09/605,271 c: Adaptive Type-Partitioned Garbag entors: Christopher Henry Rohrs Inventors:

3/17

SPACE IDENTIFIER

302

POINTER TO FIRST OBJECT **IN PAGE**

304

PAGE CONTROL BLOCK

212

FIG. 3



e: Adaptive Type-Partitioned Garbas Inventors: Christopher Henry Rohrs

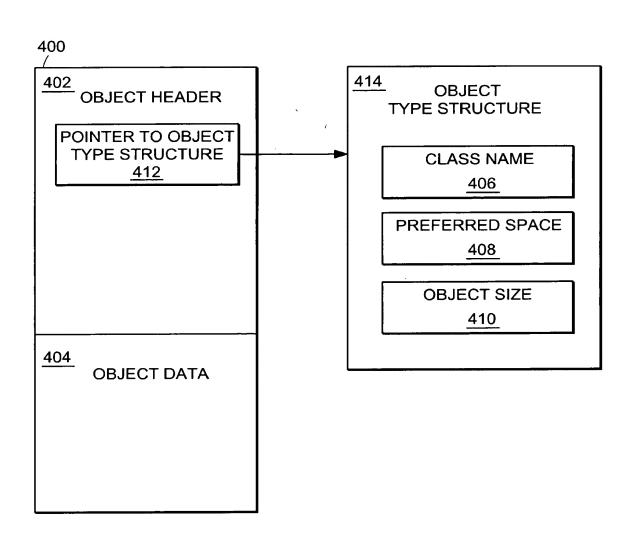


FIG. 4

App No.: 09/605,271 Adaptive Type-Partitioned Garbage ors: Christopher Henry Rohrs 0 3 2003 5/17 STARTING ADDRESS TO PROGRAM 108 FIG.1 ALLOCATION REQUEST FROM PROGRAM 108 FIG. 1 ELIMINATE WR BARRIER TO PROGRAM 108 FIG.1 -514 **GET CATEGORY** -518 516 OBJECT ALLOCATION ROUTINE OBJECT HOT/COLD CATEGORY LIST **ELIMINATION** WRITE BARRIER ROUTINE 510 506 508 520 FIRST COLLECT ADAPTIVE TYPE-BASED GARBAGE COLLECTOR MINOR MAJOR COLLECT STORE CATEGORY 7512 513 -511 515 CURRENT SPACE 525 MAJOR COLLECTION ROUTINE MINOR COLLECTION ROUTINE SAMPLE AND PARTITION ROUTINE 502 500 504 SCAN QUEUE 524

100



App No.: 09/605,271

le: Adaptive Type-Partitioned Garba

wentors: Christopher Henry Rohrs

506 /	
OBJECT TYPE = 1	530
OBJECT CATEGORY = COLD	
OBJECT TYPE = 2	
OBJECT CATEGORY = COLD	
OBJECT TYPE = 3	
OBJECT CATEGORY = HOT	
OBJECT TYPE = 4	
OBJECT CATEGORY = HOT	:
OBJECT TYPE = 5	
OBJECT CATEGORY = COLD	
OBJECT TYPE = 6	
OBJECT CATEGORY = HOT	
OBJECT TYPE = 7	
OBJECT CATEGORY = HOT	· · · · · · · · · · · · · · · · · · ·

FIG. 5B



App No.: 09/605,271

le: Adaptive Type-Partitioned Garba

Inventors: Christopher Henry Rohrs

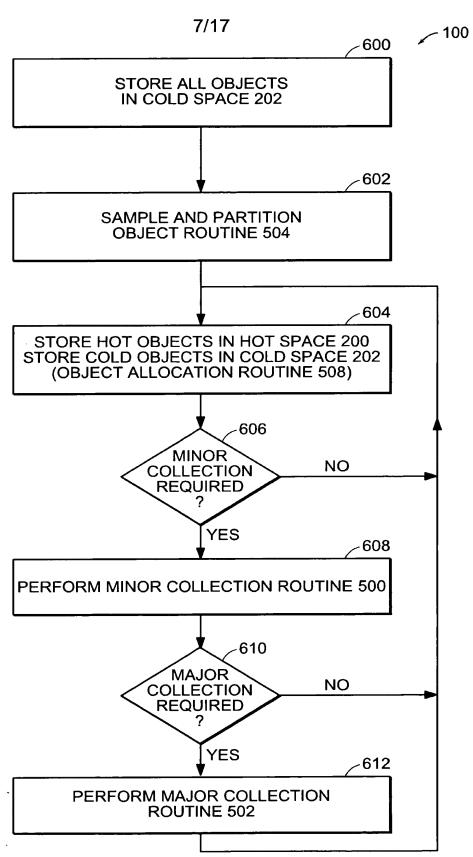


FIG. 6



e: Adaptive Type-Partitioned Garbas inventors: Christopher Henry Rohrs

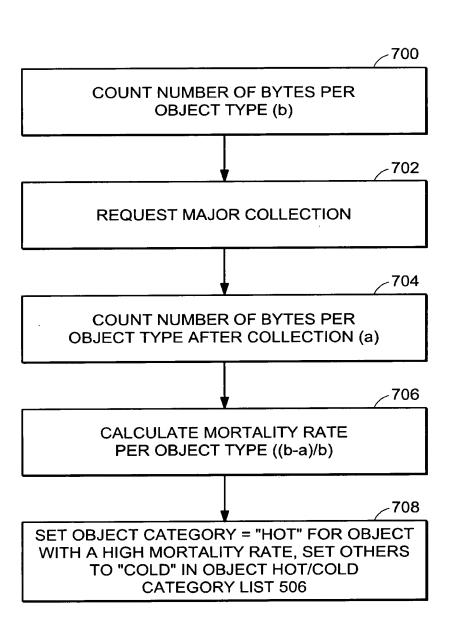
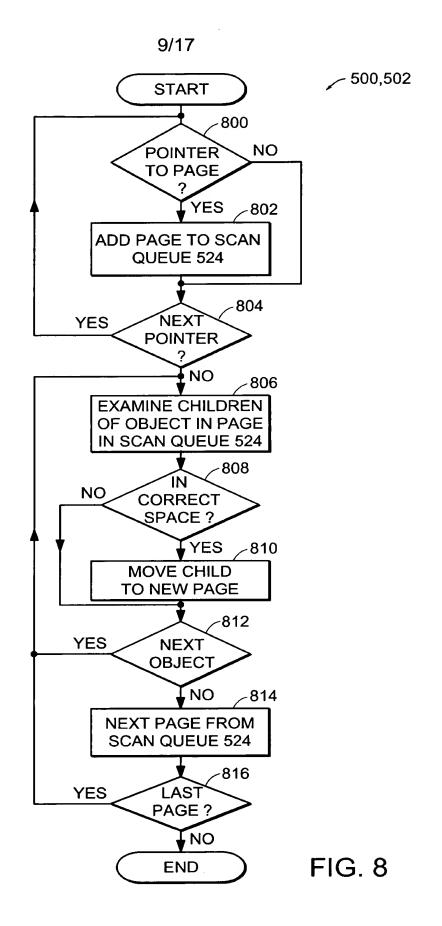


FIG. 7



App No.: 09/605,271

tle: Adaptive Type-Partitioned Garb
Inventors: Christopher Henry Rohrs

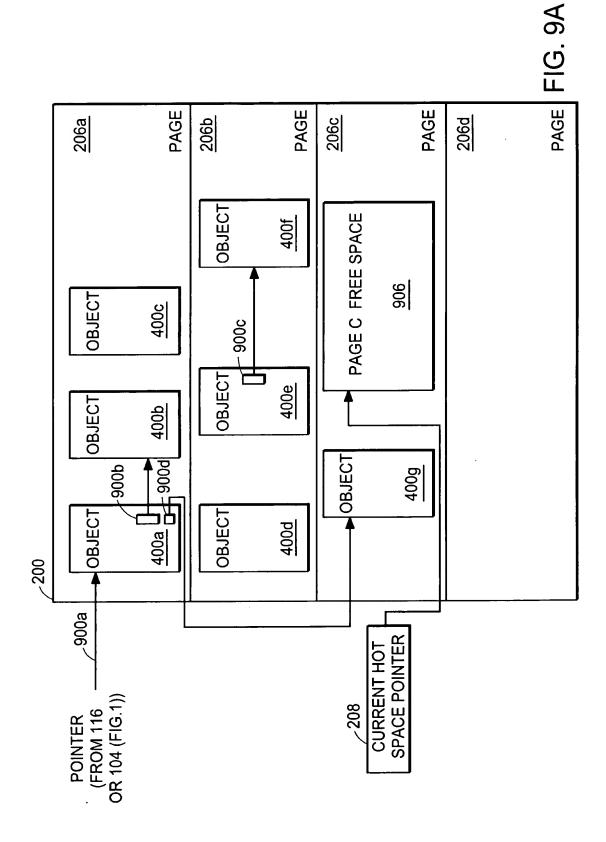




App No.: 09/605,271

le: Adaptive Type-Partitioned Garba
Inventors: Christopher Henry Rohrs

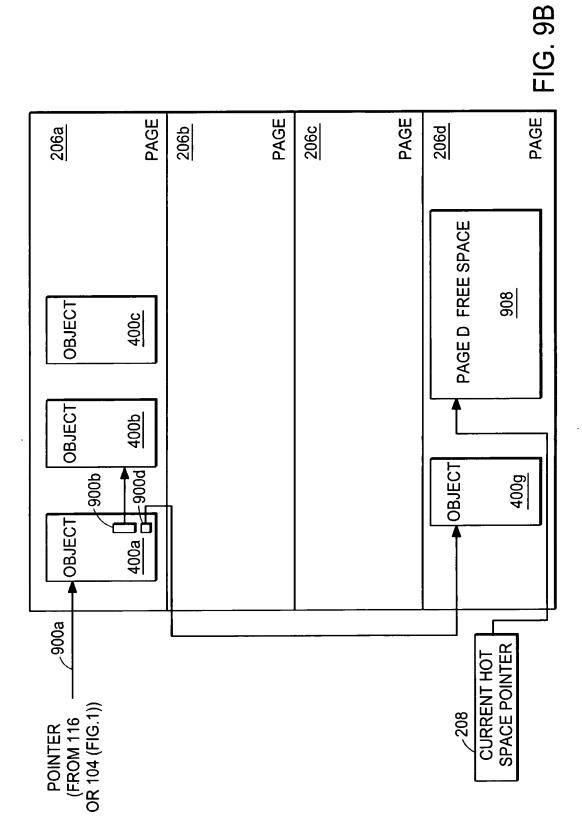






pp No.: 09/605,271 tle: Adaptive Type-Partitioned Garba ventors: Christopher Henry Rohrs





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le: Adaptive Type-Partitioned Garba
Inventors: Christopher Henry Rohrs

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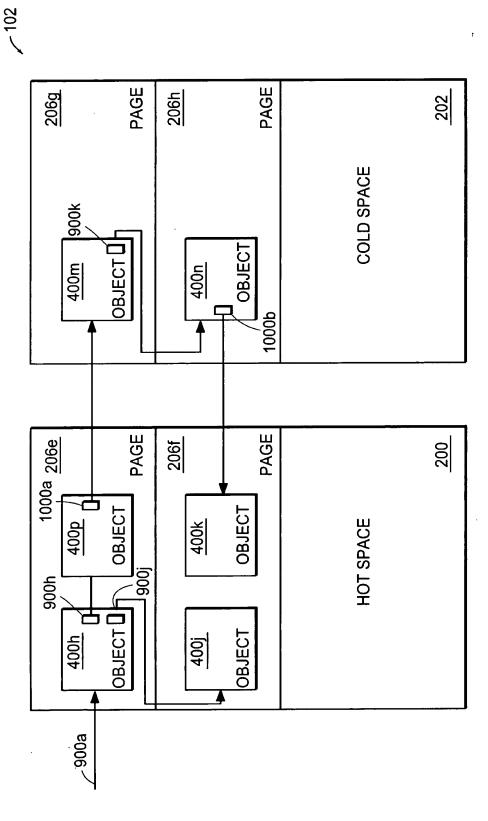


FIG. 10



App No.: 09/605,271

The: Adaptive Type-Partitioned Garbag
Inventors: Christopher Henry Rohrs

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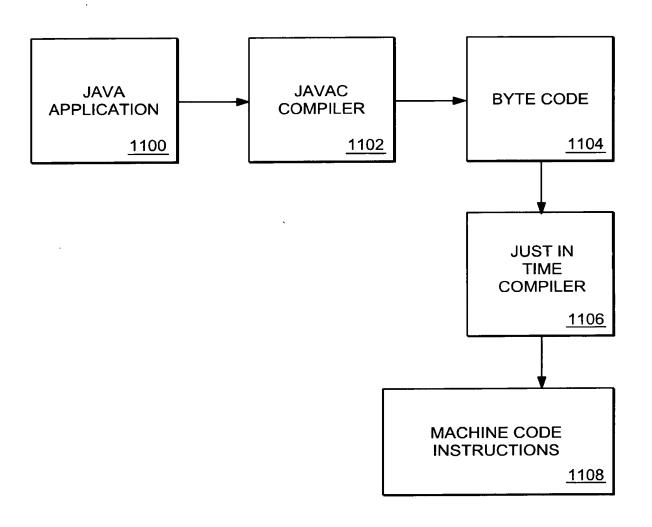
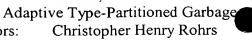
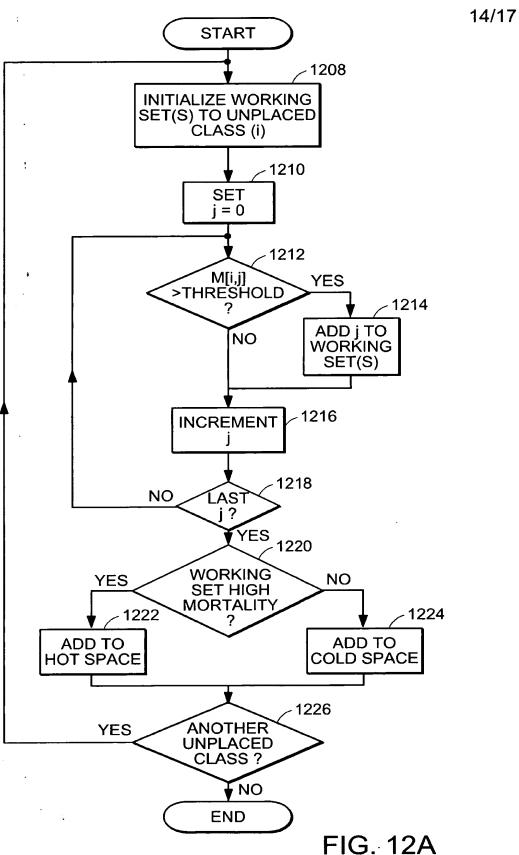


FIG. 11



Inventors:







: Adaptive Type-Partitioned Garbag Inventors: Christopher Henry Rohrs

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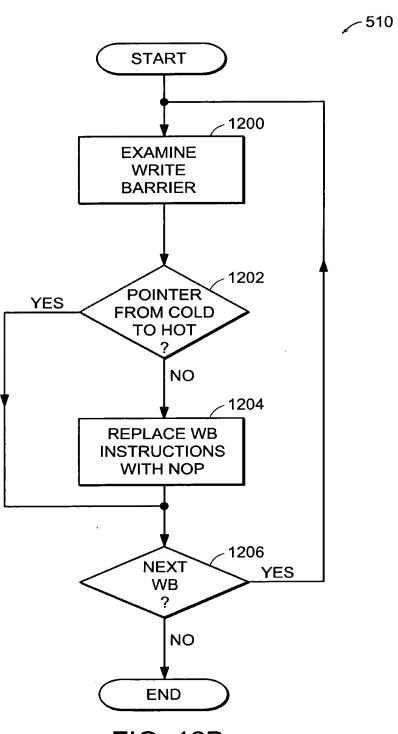


FIG. 12B



Adaptive Type-Partitioned Garbas Awentors: Christopher Henry Rohrs

1300				
ADD	LD	SRL	STQ	STB
1302	1304	<u>1306a</u>	<u>1306b</u>	<u>1306b</u>

FIG. 13A

1300				
ADD	LD	NCP	STQ	NOP
<u>1302</u>	1304	<u>1306a</u>	<u>1306b</u>	<u>1306c</u>

FIG. 13B



App No.: 09/605,271

The Adaptive Type-Partitioned Garbage
Inventors: Christopher Henry Rohrs

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